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*United States Cotton Quality Report For Ginnings 1978 Crop*

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The high white grades 31 and above comprised a smaller proportion of the 1978 upland crop than a year earlier, according to the Cotton Division, Agricultural Marketing Service, USDA. These grades accounted for about 13 percent of ginnings this season against 22 percent in 1977. Average staple length of the 1978 crop was 33.7 thirty-seconds inches compared with 33.6 a year earlier. Average mike of this season's crop was 42, down from 44 a year ago. Average fiber strength was 87,900 pounds per square inch compared with 87,600 in 1977. The supply of upland cotton this season totaled 15.6 million bales, down from 16.7 million a year earlier.

**Staples.** Staples 34 and 35 comprised almost 54 percent of upland ginnings this season, the largest percentage in these lengths since the crop of 1975. Last season, staples 34 and 35 made up about 50 percent of ginnings and two years ago a little over 53 percent. Cotton with staple of 36 or longer made up less than 10 percent of ginnings this season, the smallest proportion since 1973. Cotton stapling 31 or shorter made up a little over 13 percent of ginnings compared with 17 percent a year earlier and about 16 percent two years ago. Staples 32 and 33 comprised over 23 percent of upland ginnings this season, the largest proportion since the crop of 1965. This compares with 22 percent last season and 19 percent in 1976. The average staple length of the 1977 crop was 33.7 thirty-seconds inches compared with 33.6 a year earlier and the same as the 1976 crop.

**Grades.** White grades 31 and higher comprised about 13 percent of upland ginnings from the 1978 crop. This compares with 22 percent in 1977 and 14 percent in 1976. Grade 41 accounted for almost 53 percent of ginnings, the smallest proportion since the crop of 1972. This compares with 58 percent a year earlier and about 55 percent two years ago. All white grades made up over 69 percent this season against 71 percent a year earlier and 67 percent two years ago. Light Spotted grades comprised almost 28 percent of this season's ginnings, the largest proportion since 1971. A year ago the Light Spotted grades made up 26 percent and two years ago made up 22 percent. Spotted grades made up a little over two percent this season, about the same as the previous season but down from almost nine percent two years ago. Below Grade, Tinged and other colored grades made up about one percent of 1978 ginnings compared with less than one percent last season and two percent two years ago.

**Upland supply.** This season's supply of upland cotton (August 1, 1978 carryover plus 1978-crop ginnings) totaled 15,574,000 running bales, down from 16,691,000 a year earlier. The predominant staple length in the supply was staple 35, accounting for 4,401,000 bales (28 percent) in 1978 and 5,293,000 bales (32 percent) in 1977. Predominant grade was grade 41 at 4,959,000 bales (32 percent) in 1978 and 4,672,000 bales (28 percent) in 1977. The staple distribution showed 2,051,000 bales were staples 31 and shorter, 3,844,000 were staples 32 and 33, 8,305,000 were staples 34 and 35, and 1,374,000 bales were staple 36 or longer in 1978. This compares with 2,675,000, 3,641,000, 8,581,000 and 1,794,000 bales, respectively, in the 1977 upland supply. Grade distribution showed 10,665,000 bales in the white grades this season compared with 11,708,000 a year earlier.

Table 1. Upland cotton in the United States, ginnings and supply,  
by staple groupings, 1974-1978

Season beginning August 1	Staple								All staple lengths
	Shorter than 32		32 and 33		34 and 35		36 and longer		
	Quantity	Percent of total	Quantity	Percent of total	Quantity	Percent of total	Quantity	Percent of total	
	1,000 bales	Percent	1,000 bales	Percent	1,000 bales	Percent	1,000 bales	Percent	1,000 bales
Ginnings									
1974	1,190	11	1,126	10	7,510	66	1,414	13	11,240
1975	1,674	21	905	11	4,496	55	1,023	13	8,098
1976	1,637	16	1,950	19	5,478	53	1,219	12	10,284
1977	2,370	17	3,058	22	6,960	50	1,521	11	13,909
1978 1/	1,373	13	2,441	23	5,641	54	1,004	10	10,459
Supply									
1974	2,125	14	1,959	13	9,142	62	1,701	11	14,927
1975	2,317	17	1,694	13	7,829	58	1,671	12	13,511
1976	2,140	16	2,520	18	7,547	54	1,590	12	13,797
1977	2,675	16	3,641	22	8,581	51	1,794	11	16,691
1978 1/	2,052	13	3,844	25	8,305	53	1,373	9	15,574

1/ Preliminary.



Table 2. Upland cotton in the United States, ginnings and supply, by grade 1/

Grade Code	After January 31			Total crop			Supply			Change in Supply	
	1977	1978	1977	1978	1977	1978	1977	1978	1977	1978	1978 from 1977
	Bales	Bales	Pct.	Pct.	Bales	Bales	bales	bales	Pct.	Pct.	bales
<b>White</b>							1,000	1,000			1,000
11	-	14	-	*	52	634	1	**	*	*	-1
21	3,516	811	2.3	0.2	32,840	136,495	164	105	1.0	0.7	-59
30	395	38	0.3	*	7,971	66,349	78	31	0.5	0.2	-47
31	18,442	12,411	11.9	2.5	1,314,267	2,876,722	3,180	1,961	19.1	12.6	-1,219
40	6,872	3,247	4.4	0.7	565,619	962,396	1,246	932	7.5	6.0	-314
41	21,033	54,014	13.6	11.1	3,597,675	4,007,282	4,672	4,959	27.9	32.0	+287
50	1,828	2,879	1.2	0.6	281,502	303,212	503	610	5.0	3.9	+107
51	17,578	59,896	11.3	12.3	1,212,819	1,308,172	1,583	1,703	9.5	10.9	+120
60	123	198	0.1	*	23,624	16,239	24	35	0.1	0.2	+11
61	9,064	18,314	5.9	3.8	181,928	159,259	221	282	1.3	1.8	+61
70	36	-	*	-	515	377	1	1	*	*	0
71	4,218	7,168	2.7	1.5	28,866	24,314	35	46	0.2	0.3	+11
<b>Light Spotted</b>											
12	-	-	-	-	-	-	-	-	-	-	-
22	294	138	0.2	*	3,223	22,354	25	23	0.1	0.1	-2
32	14,704	23,443	9.5	4.8	518,580	1,390,456	1,551	1,100	9.3	7.1	-451
42	17,459	132,155	11.3	27.0	1,731,583	1,739,631	2,033	2,384	12.2	15.3	+351
52	9,408	79,368	6.1	16.3	636,513	495,268	614	834	3.7	5.4	+220
<b>Spotted</b>											
13	2	-	*	-	16	16	**	-	*	-	0
23	95	36	0.1	*	447	1,573	6	5	*	*	-1
33	3,266	7,206	2.1	1.5	32,802	44,952	127	67	0.8	0.4	-60
43	5,112	24,213	3.3	5.0	113,860	158,946	297	194	1.8	1.2	-103
53	4,438	19,279	2.9	4.0	77,452	105,778	161	132	1.0	0.8	-29
<b>Tinged 2/</b>											
24-54	1,414	5,339	0.8	1.1	11,229	11,582	58	30	0.3	0.2	-28
<b>Stained 2/</b>											
25-35	13	-	*	-	74	42	1	3	*	*	+2
<b>Light Gray</b>											
16	-	-	-	-	-	-	-	-	-	-	-
26	-	113	-	*	1,179	1,758	2	2	*	*	0
36	1,438	2,470	0.9	0.5	11,621	12,504	15	18	0.1	0.1	+3
46	818	2,443	0.5	0.5	6,115	4,919	11	9	0.1	0.1	-2
<b>Gray</b>											
17	-	-	-	-	-	-	-	-	-	-	-
27	10	-	-	*	40	34	**	**	*	*	0
37	71	84	*	*	378	433	1	1	*	*	0
47	281	650	0.2	0.1	1,150	829	1	2	*	*	+1
<b>Below Grade 3/</b>	12,972	31,805	8.4	6.5	65,215	56,595	80	105	0.5	0.7	+25
<b>All grades</b>	154,890	487,742	100.0	100.0	13,909,121	10,459,139	16,691	15,574	100.0	100.0	-1,117
											-6.7

1/ Data for current season are preliminary.

2/ Includes all grades.

3/ Bales that are lower in grade than the lowest official standard for the corresponding color group.

\* Less than 0.05 percent. \*\* Less than 500 bales.

Table 3. Upland cotton in the United States, ginnings and supply, by staple 1/

Staple	After January 31			Total crop			Supply			Change in Supply 1978 from 1977
	1977	1978	Pct.	1977	1978	Pct.	1977	1978	Pct.	
	Bales	Bales	Pct.	Bales	Bales	Pct.	1,000 bales	1,000 bales	Pct.	1,000 bales
26 and shorter	5	10	*	437	1,002	*	**	1	*	+1
28	94	287	0.1	7,213	8,447	0.1	9	12	0.1	+3
29	477	2,415	0.3	61,616	79,601	0.4	80	108	0.5	+28
30	3,588	16,890	2.3	655,950	416,368	4.7	779	621	4.7	-158
31	10,579	73,862	6.8	1,645,012	867,518	11.8	1,807	1,309	10.8	-498
32	21,477	170,515	13.9	1,716,010	1,326,773	12.3	1,971	1,931	11.8	-40
33	37,911	98,741	24.5	1,342,390	1,114,658	9.7	1,670	1,913	10.0	+243
34	42,006	67,767	27.0	2,402,022	2,531,388	17.3	3,288	3,904	19.7	+616
35	29,357	49,498	19.0	4,557,679	3,108,963	32.8	5,293	4,401	31.6	-892
36	9,224	7,320	6.0	1,450,006	946,615	10.4	1,673	1,264	10.0	-409
37	56	352	*	64,738	55,702	0.5	99	95	0.6	-4
38	93	43	0.1	1,786	1,711	*	10	10	0.1	0
39	7	14	*	1,652	227	*	2	1	*	-1
40 and longer	16	28	*	2,610	166	*	10	4	0.1	-6
All staples	154,890	487,742	100.0	13,909,121	10,459,139	100.0	16,691	15,574	100.0	-1,117
										-6.7

1/ Data for current season are preliminary.

\* Less than 0.05 percent.

\*\* Less than 500 bales.

Table 4. Specified measures of quality for upland ginnings 1/

Item	After January 31		Total crop		Supply	
	1977	1978	1977	1978	1977	1978
Average staple, 32nd. inch	33.5	32.6	33.6	33.7	33.7	33.6
Rough preparation, percent	0.7	*	0.1	0.1	-	-
Tenderable, percent 2/	44.0	21.1	63.7	54.5	-	-
Average mike reading	42	38	44	4.2	-	-
Average fiber strength (Mpsi)	84.8	85.0	87.6	87.9	-	-

1/ Data for current season are preliminary.

2/ Tenderable for grade, staple and mike in settlement of futures contracts.

\* Less than 0.05 percent.



Table 5. Percentage distribution of micronaire readings for upland ginnings this season and last season, by states 1/

State	26 and below		27-29		30-32		33-34		35-39		40-44		45-49		50-52		53 and above		Totals			Average	
	1977	1978	1977	1978	1977	1978	1977	1978	1977	1978	1977	1978	1977	1978	1977	1978	1977	1978	Below 35	35-49	50 and above	1977	1978
NC	Pct. 0.2	Pct. *	Pct. 1.2	Pct. 0.1	Pct. 2.3	Pct. 2.3	Pct. 0.2	Pct. 2.3	Pct. 1.3	Pct. 31.5	Pct. 5.8	Pct. 52.5	Pct. 45.7	Pct. 9.5	Pct. 31.8	Pct. 0.5	Pct. 15.1	Pct. -	Pct. 0.3	Pct. 6.0	Pct. 52.8	Pct. 93.5	Pct. 46.9
SC	-	*	0.2	0.3	1.4	0.9	2.0	1.3	9.9	12.8	16.4	56.5	38.1	26.6	23.3	1.6	8.7	*	3.6	2.5	64.4	95.9	32.0
GA	*	*	0.2	*	1.3	0.3	1.2	0.7	8.9	11.0	23.9	39.2	42.2	38.6	17.3	8.3	5.0	1.9	2.7	1.0	75.0	88.8	22.3
AL	*	*	0.2	*	0.8	0.4	0.6	0.6	2.9	8.7	14.7	33.2	46.3	43.8	24.3	10.8	10.2	2.5	1.6	1.0	63.9	85.7	34.5
MS	*	*	0.1	*	0.5	0.4	0.5	0.5	3.8	4.0	23.2	23.9	50.4	45.8	18.2	20.4	3.3	5.0	1.1	0.9	77.4	73.7	21.5
TN	*	*	*	*	*	0.5	0.2	0.7	4.7	8.1	20.8	29.0	45.0	45.9	17.7	12.3	11.6	3.5	0.2	1.2	70.5	83.0	29.3
MO	-	-	-	*	*	0.4	0.3	0.6	5.2	7.8	21.0	29.8	37.3	40.3	24.0	16.5	12.2	4.6	0.3	1.0	63.5	77.9	36.2
AR	*	*	*	0.1	0.3	0.4	0.3	0.5	3.1	3.8	18.5	16.2	52.9	47.8	20.8	22.0	4.1	9.2	0.6	1.0	74.5	67.8	24.9
LA	*	*	0.3	*	1.2	0.4	1.3	0.4	4.8	1.9	12.9	7.6	44.7	39.8	28.4	34.3	6.4	15.6	2.8	0.8	62.4	49.3	34.8
OK	*	0.1	0.8	0.9	3.4	3.4	4.0	4.0	18.8	22.3	33.0	44.0	30.2	23.1	7.6	2.0	2.2	0.2	8.2	8.4	82.0	89.4	9.8
TX	*	0.4	0.6	2.7	2.6	9.1	3.5	9.2	20.5	34.1	36.6	28.3	26.6	12.3	6.5	3.0	3.1	0.9	6.7	21.4	83.7	74.7	9.6
NM	*	1.2	0.7	7.4	3.4	16.4	4.6	14.6	32.7	43.4	49.4	16.6	8.2	0.4	0.8	-	0.2	-	8.7	39.6	90.3	60.4	1.0
AZ	0.3	0.1	1.3	0.9	2.2	2.3	1.5	2.0	6.0	8.9	19.2	24.1	41.3	42.2	21.7	15.5	6.5	4.0	5.3	5.3	66.5	75.2	28.2
CA	0.1	0.4	1.0	1.5	2.2	3.6	1.9	4.0	16.3	22.7	51.2	44.1	24.0	21.7	2.9	1.9	0.4	0.1	5.2	9.5	91.5	88.5	3.3
Other	-	-	1.4	1.8	5.6	7.0	7.1	6.5	36.4	24.0	32.9	48.1	8.0	11.2	8.1	1.4	0.5	-	14.1	15.3	77.3	83.3	8.6
US	0.1	0.2	0.6	1.4	1.9	4.6	2.2	4.7	13.8	20.0	32.8	29.5	33.6	27.3	11.4	9.5	3.6	2.8	4.8	10.9	80.2	76.8	15.0

1/ Data for current season are preliminary.

\* Less than 0.05 percent.

Table 6. Percentage distribution of fiber strength for upland cotton ginned this season and last season, by states 1/

State	Zero Gage Fiber Strength (Mpsi)																Average strength	
	64 & below		65-69		70-74		75-79		80-84		85-89		90-94		95-99		100 & above	
	1977	1978	1977	1978	1977	1978	1977	1978	1977	1978	1977	1978	1977	1978	1977	1978	1977	1978
NC	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Mpsi	Mpsi
	-	-	-	-	0.1	*	2.3	4.5	17.0	30.2	47.8	45.1	28.1	18.3	4.7	1.9	-	87.8
SC	-	-	0.2	-	0.5	*	7.6	5.0	27.8	31.8	39.4	49.5	20.6	13.5	3.7	0.2	0.2	86.1
GA	*	-	*	-	2.1	-	14.7	4.0	36.7	19.3	31.7	42.4	12.3	30.3	2.3	3.7	0.2	84.3
AL	-	-	0.2	-	3.1	0.1	17.1	4.5	37.9	32.0	30.4	39.9	9.5	19.8	1.8	3.4	*	83.5
MS	-	-	*	-	0.7	*	6.9	2.2	35.9	23.6	38.5	46.1	14.9	23.0	3.0	4.8	0.1	85.5
TN	-	-	*	-	0.2	*	7.7	3.1	31.9	33.5	40.5	47.9	17.2	13.8	2.3	1.7	0.2	85.7
MO	-	-	-	-	1.6	0.2	15.0	4.4	44.9	27.5	28.9	40.7	8.7	24.3	0.7	2.5	0.2	83.6
AR	-	-	*	-	0.3	0.1	7.3	6.8	32.6	32.7	41.7	38.6	15.7	17.7	2.1	3.9	0.3	85.7
LA	-	-	*	*	2.0	0.1	18.1	4.1	42.5	17.5	29.7	36.4	7.0	30.4	0.6	10.2	0.1	83.2
OK	*	-	0.3	-	3.7	0.4	27.3	6.2	37.2	31.2	24.1	38.5	6.5	16.6	0.8	5.1	0.1	82.3
TX	-	-	0.1	*	1.0	0.9	7.6	7.9	27.2	29.2	34.0	34.2	21.2	19.4	7.1	7.1	1.8	86.7
NM	-	-	*	*	0.3	0.4	1.5	6.9	7.8	22.6	22.8	27.6	32.7	25.7	22.7	13.3	12.2	92.3
AZ	-	-	*	*	0.3	0.4	6.2	5.7	28.3	27.7	41.8	43.0	19.2	19.4	3.7	3.6	0.5	86.3
CA	-	-	*	-	0.1	*	0.5	0.3	3.8	3.5	14.9	22.1	29.6	33.7	30.4	26.0	20.7	94.5
US	*	-	*	*	0.9	0.3	7.4	5.0	25.5	23.4	31.2	35.4	20.1	23.0	10.0	9.5	4.9	87.6

1/ Data for current season are preliminary.

\* Less than 0.05 percent.



Table 7. Percentage distribution of the grade of upland cotton ginned  
this season and last season, by states 1/

State	White										Light Spotted				Other colored		Below Grade											
	21 and higher	30	31	40	41	50	51	60 and lower	22 and higher	32	42	52																
	1977	1978	1977	1978	1977	1978	1977	1978	1977	1978	1977	1978	1977	1978	1977	1978												
NC	Pct. Pct.	Pct. Pct.	Pct. Pct.	Pct. Pct.	Pct. Pct.	Pct. Pct.	Pct. Pct.	Pct. Pct.	Pct. Pct.	Pct. Pct.	Pct. Pct.	Pct. Pct.	Pct. Pct.	Pct. Pct.	Pct. Pct.	Pct. Pct.												
	-	-	-	0.6	1.7	0.5	5.0	26.5	44.5	6.5	19.4	32.0	19.5	6.1	5.1	-	-	0.2	0.1	14.7	2.3	8.3	1.9	3.9	0.4	0.7	0.1	
SC	0.1	0.6	-	-	3.2	3.7	0.8	7.3	32.2	51.9	3.9	14.4	21.2	12.1	3.0	1.6	*	*	2.1	1.1	18.3	4.8	9.1	1.8	5.6	0.6	0.5	0.1
GA	*	0.4	-	0.1	1.4	14.4	0.6	16.5	19.5	42.0	1.4	4.1	10.4	6.7	1.8	1.3	*	0.1	4.4	4.1	29.9	7.8	14.3	1.7	14.2	0.6	2.1	0.2
AL	0.1	0.2	-	*	1.7	8.4	0.3	3.3	13.5	46.4	0.4	3.7	3.6	6.5	0.4	0.9	0.2	0.1	5.0	8.1	35.3	17.2	11.9	2.9	26.2	2.1	1.4	0.2
MS	*	0.1	*	*	2.0	4.6	1.5	1.9	33.3	49.9	4.2	3.5	35.7	21.6	5.6	2.3	*	*	0.5	1.1	8.9	11.4	6.1	3.0	1.5	0.4	0.7	0.2
TN	0.1	0.4	*	*	3.9	17.0	1.7	4.7	24.3	46.9	1.7	3.6	12.3	9.5	2.3	1.3	*	*	2.2	4.4	26.2	9.8	17.0	2.0	6.3	0.3	2.0	0.1
MO	*	0.1	-	-	1.0	14.7	0.2	3.9	29.8	50.3	2.5	2.6	15.9	4.8	1.3	0.4	-	*	2.2	6.7	28.4	13.3	10.5	1.9	7.4	1.3	0.8	*
AR	*	0.1	*	*	2.6	8.6	1.7	4.6	38.5	48.4	4.6	4.0	19.4	9.7	1.7	1.2	*	*	1.3	2.4	20.0	16.3	6.9	3.7	3.0	0.8	0.3	0.2
LA	0.2	0.1	*	*	13.2	11.2	1.7	1.9	50.1	46.2	3.2	2.8	10.6	4.7	1.6	0.5	*	*	3.4	6.5	11.8	21.5	2.8	2.8	1.2	1.7	0.2	0.1
OK	0.1	0.5	*	*	4.6	6.2	1.3	2.0	13.5	18.8	0.9	1.6	7.6	7.8	1.2	0.8	0.1	*	13.0	16.0	36.9	33.1	12.5	7.8	7.7	5.3	0.6	0.1
TX	1.0	0.1	0.1	*	24.2	5.0	5.8	1.5	25.5	23.5	1.7	1.4	3.2	13.7	0.4	2.5	0.3	*	20.8	7.1	13.8	28.1	1.5	12.5	1.6	4.2	0.1	0.4
NM	0.8	-	*	-	23.5	2.2	7.3	3.5	33.9	32.3	5.2	11.0	3.0	13.8	0.7	2.4	*	*	12.2	6.9	10.4	16.3	1.6	7.9	0.9	3.2	0.5	0.5
AZ	0.6	1.5	0.6	0.3	19.8	25.9	3.4	6.6	49.1	33.8	1.7	2.0	6.8	7.9	1.9	2.9	0.1	0.1	3.7	5.5	6.9	5.4	2.9	2.1	1.0	2.3	1.5	3.7
CA	2.6	0.4	2.1	0.2	42.4	29.5	19.8	16.5	21.1	34.3	1.1	2.9	2.8	7.2	0.5	2.7	0.1	*	3.4	1.4	2.4	2.4	0.8	1.0	0.8	1.1	0.1	0.4
Other	2.2	0.9	1.1	-	14.9	7.2	1.7	5.8	27.2	45.7	2.5	6.7	17.0	20.2	1.4	4.4	-	-	0.3	0.7	20.1	4.0	9.2	2.9	2.1	0.8	0.3	0.7
US	1.0	0.3	0.5	0.1	20.7	12.6	6.9	5.4	28.9	34.4	2.2	2.7	9.4	11.6	1.4	2.2	0.2	*	10.0	5.0	12.5	16.6	3.6	6.1	2.3	2.4	0.4	0.6

1/ Data for current season are preliminary.

\* Less than 0.05 percent.



Table 8. Percentage distribution of the staple of upland cotton ginned this season and last season, and total ginnings, by states 1/

State	Staple														Average staple		Total upland ginnings									
	28 and shorter	29	30	31	32	33	34	35	36	37	38 and longer	1977	1978	1977	1978	1977	1978									
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Bales	Bales									
NC	-	-	-	-	*	-	0.5	-	19.8	3.4	66.2	67.5	13.4	29.0	0.1	0.1	-	-	34.9	35.3	51,730	45,898				
SC	-	-	-	-	*	-	0.2	-	2.0	0.1	11.2	2.2	47.5	13.7	36.1	55.8	2.9	26.3	0.1	1.9	35.3	36.1	104,626	106,960		
GA	-	-	*	0.2	*	1.9	0.2	23.3	3.7	49.2	38.4	25.2	56.4	0.2	1.3	-	-	-	34.0	34.5	78,024	105,062				
AL	-	*	0.1	0.3	0.2	4.9	0.7	41.4	14.6	45.4	62.1	7.8	21.7	0.1	0.7	*	*	-	33.6	34.1	266,209	277,821				
MS	-	-	*	-	*	0.1	0.1	1.4	2.5	21.8	52.7	68.0	44.0	8.6	0.7	0.1	*	-	34.8	34.4	1,577,454	1,324,362				
TN	-	-	-	0.1	0.1	2.0	2.1	37.8	28.4	55.7	61.9	4.4	7.4	*	0.1	*	-	-	33.6	33.7	249,364	227,888				
MO	*	-	-	*	-	0.2	0.1	4.6	2.2	51.1	26.6	42.9	66.1	1.2	5.0	-	*	-	34.4	34.7	227,610	181,346				
AR	-	-	*	-	*	0.2	0.8	4.5	24.5	39.3	68.7	53.2	6.0	2.8	*	*	-	-	34.8	34.5	1,010,709	646,032				
LA	-	-	*	-	0.1	*	0.9	0.4	10.9	27.7	46.2	68.8	39.6	3.1	2.2	*	0.1	-	34.7	34.3	640,608	468,191				
OK	*	0.1	0.5	2.1	5.9	12.4	21.7	40.3	39.2	30.7	19.2	10.2	6.9	2.8	3.6	1.3	2.9	0.1	0.1	-	-	32.5	32.2	426,804	348,220	
TX	0.1	0.2	1.1	2.1	12.0	10.6	29.7	21.1	27.8	30.6	16.0	19.9	10.7	12.3	2.0	2.6	0.5	0.4	0.1	0.2	*	*	31.9	32.1	5,349,127	3,698,890
NM	*	0.1	0.1	1.2	0.8	4.0	3.3	6.4	7.1	4.7	5.2	4.3	6.9	8.9	8.2	38.1	29.1	31.5	38.5	0.8	0.8	35.5	35.5	148,303	95,316	
AZ	*	*	0.3	0.3	0.5	0.7	1.9	3.0	4.1	5.7	33.3	29.4	57.8	58.7	1.7	1.8	0.2	0.4	0.2	*	*	34.5	34.5	1,028,672	1,019,903	
CA	*	*	0.1	0.1	0.1	0.3	0.5	1.3	1.1	8.4	8.5	50.5	48.9	39.2	40.6	0.1	0.2	-	*	*	35.3	35.3	2,742,723	1,908,597		
Other	-	-	-	-	-	-	0.9	6.3	4.0	49.3	37.5	23.1	30.4	21.2	27.0	0.1	0.2	-	-	-	-	34.6	34.8	7,158	4,653	
US	0.1	0.1	0.4	0.8	4.7	4.0	11.8	8.3	12.3	12.7	9.7	10.7	17.3	24.2	32.8	29.6	10.4	9.1	0.5	0.5	*	*	33.6	33.7	13,909,121	10,459,139

1/ Data for current season are preliminary.

\* Less than 0.05 percent.

Table 9. Percentage of ginnings reduced in grade, by specified causes, this season and last season, by states 1/

State	Grade reductions							
	Grass		Bark		Other causes		Total reductions	
	1977	1978	1977	1978	1977	1978	1977	1978
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
North Carolina	7.5	5.9	*	0.1	*	*	7.5	6.0
South Carolina	11.7	6.5	0.6	1.3	*	-	12.3	7.8
Georgia	7.2	5.8	1.7	0.2	0.1	*	9.0	6.0
Alabama	3.5	4.1	1.9	0.3	*	*	5.4	4.4
Mississippi	6.2	8.1	2.1	0.5	*	*	8.3	8.6
Tennessee	3.7	3.9	1.6	1.7	*	0.1	5.3	5.7
Missouri	0.5	1.3	1.0	*	*	*	1.5	1.3
Arkansas	3.5	5.6	0.8	0.3	*	0.1	4.3	6.0
Louisiana	6.2	5.5	1.7	0.4	*	*	7.9	5.9
Oklahoma	1.4	0.9	15.7	11.7	*	*	17.1	12.6
Texas	3.3	1.4	1.7	15.4	*	*	5.0	16.8
New Mexico	1.4	0.4	2.9	14.1	0.2	*	4.5	14.5
Arizona	1.9	1.5	4.8	6.4	0.2	0.1	6.9	8.0
California	2.9	2.9	0.4	1.4	0.1	0.1	3.4	4.4
Other	4.9	7.4	5.4	2.9	-	-	10.3	10.3
United States	3.5	3.2	2.1	7.0	0.1	*	5.7	10.2

1/ Data for current season are preliminary.

\* Less than 0.05 percent.

Table 10. American Pima cotton ginned in the United States by grade and staple 1/

Grade and Staple	Code	After January 31				Total Crop			
		1977	1978	1977	1978	1977	1978	1977	1978
Grade		Bales	Bales	Pct.	Pct.	Bales	Bales	Pct.	Pct.
1	(10)	-	-	-	-	-	-	-	-
2	(20)	-	-	-	-	116	224	0.1	0.2
3	(30)	36	20	0.8	0.2	16,901	7,576	15.5	8.4
4	(40)	501	384	11.3	3.9	68,983	39,519	63.5	43.9
5	(50)	1,284	2,102	28.9	21.1	16,168	27,421	14.9	30.5
6	(60)	1,292	3,605	29.1	36.1	3,675	9,142	3.4	10.2
7	(70)	647	1,921	14.6	19.3	1,455	3,336	1.3	3.7
8	(80)	450	1,091	10.1	10.9	988	1,677	0.9	1.9
9	(90)	156	497	3.5	5.0	366	650	0.3	0.7
10	(00)	76	348	1.7	3.5	146	473	0.1	0.5
Total		4,442	9,968	100.0	100.0	108,798	90,018	100.0	100.0
Staple									
40 and shorter		6	-	0.1	-	6	-	*	-
42		492	848	11.1	8.5	1,904	1,338	1.8	1.5
44		2,323	5,555	52.3	55.7	50,954	19,905	46.8	22.1
46		1,614	3,565	36.3	35.8	55,927	68,775	51.4	76.4
48 and longer		7	-	0.2	-	7	-	*	-
Total		4,442	9,968	100.0	100.0	108,798	90,018	100.0	100.0

1/ Data for current season are preliminary.

\* Less than 0.05 percent.



Table 11. Percentage distribution of micronaire readings for American Pima ginned in the United States, this season and last season, by states <sup>1/</sup>

Readings	State						United States	
	Texas		New Mexico		Arizona			
	1977	1978	1977	1978	1977	1978	1977	1978
	Percent		Percent		Percent		Percent	
24 and below	-	0.1	-	-	-	-	-	*
25	-	0.1	-	-	-	-	-	0.1
26	-	0.2	-	-	-	-	-	0.1
27	0.2	0.9	0.3	0.1	*	-	0.1	0.3
28	0.1	1.4	0.9	1.0	*	0.1	0.1	0.6
29	0.8	2.3	1.5	1.9	0.2	0.2	0.5	1.1
30	0.8	5.3	2.1	3.6	0.6	0.6	0.7	2.5
31	1.6	6.9	3.3	4.7	1.0	0.9	1.3	3.3
32	2.1	9.0	5.0	7.1	1.4	1.5	1.8	4.6
33	2.8	8.8	5.0	5.7	2.0	1.9	2.4	4.6
34	4.1	12.2	8.1	9.2	3.0	2.6	3.7	6.5
35	6.7	10.8	13.8	10.7	6.3	7.7	6.8	9.0
36	8.7	12.0	11.6	16.6	8.2	9.2	8.5	10.6
37	11.1	8.5	12.2	9.1	10.2	10.1	10.6	9.4
38	12.8	9.3	10.6	13.7	14.9	14.0	14.0	12.2
39	13.6	4.3	7.3	6.7	13.4	12.1	13.2	8.9
40	12.2	3.4	7.5	3.0	13.5	14.0	12.7	9.6
41	9.2	1.5	6.9	2.8	9.5	9.2	9.3	6.0
42	6.6	1.9	1.9	3.2	8.1	8.9	7.2	6.0
43	3.2	0.7	1.3	0.2	4.0	3.6	3.6	2.3
44	1.9	0.4	0.7	0.7	2.6	2.4	2.3	1.6
45	1.1	*	-	-	0.8	0.8	0.9	0.5
46	0.3	*	-	-	0.2	0.1	0.2	0.1
47	0.1	*	-	-	0.1	0.1	0.1	0.1
48	*	-	-	-	-	-	*	-
49	*	-	-	-	-	-	*	-
50 and above	-	-	-	-	-	-	-	-
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Average mike	38	35	36	36	39	38	38	37

<sup>1/</sup> Data for current season are preliminary.

\* Less than 0.05 percent.

Table 12. Percentage distribution of upland cotton by specified grades, by seasons, 1967-1978 <sup>1/</sup>

Grade Code	Season											
	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978
White:	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
21 & higher	1.2	1.1	0.5	0.5	0.3	0.2	0.5	0.2	0.5	0.2	1.0	0.3
30	*	*	*	*	*	*	*	*	*	*	0.5	0.1
31	18.8	16.4	14.4	14.4	12.7	8.2	18.1	12.2	18.1	13.6	20.7	12.6
40	1.3	1.5	1.7	0.8	1.4	1.5	1.5	3.6	5.1	4.3	6.9	5.4
41	33.7	38.5	38.0	34.0	33.3	32.3	38.9	37.7	30.0	36.4	28.9	34.4
50	1.7	2.0	1.7	1.1	1.2	1.5	1.4	2.1	1.8	2.2	2.2	2.7
51 & lower	7.6	11.8	12.6	17.7	16.0	24.2	15.4	20.3	14.0	10.5	10.8	13.8
Light Spotted:												
22 & higher	0.4	0.2	0.1	*	*	*	*	*	0.1	0.1	0.2	*
32	13.2	9.3	5.1	9.1	4.1	3.7	7.6	2.6	5.4	5.7	10.0	5.0
42	11.4	12.2	13.9	13.6	13.8	13.7	10.4	12.1	13.7	11.7	12.5	16.6
52	3.3	2.9	5.5	4.6	10.1	6.2	3.9	6.1	5.7	4.4	3.6	6.1
Spotted:	5.2	2.9	3.7	3.1	5.4	5.4	1.7	2.3	4.6	8.8	2.2	2.1
Other colored <sup>2/</sup>	2.2	1.2	2.8	1.1	1.7	3.1	0.6	0.8	1.0	2.1	0.5	0.9
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

<sup>1/</sup> Data for 1978 are preliminary.

<sup>2/</sup> Includes Below Grade.

\* Less than 0.05 percent.

Table 13. Percentage distribution of upland cotton by specified staples, by seasons, 1967-1978 <sup>1/</sup>

Staple	Season											
	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
26 & shorter	*	*	0.1	*	0.1	*	*	*	*	*	*	*
28	0.6	0.1	1.3	0.4	0.6	0.1	0.2	0.1	0.8	0.1	0.1	0.1
29	4.6	1.1	4.2	3.5	3.3	1.2	1.9	0.6	3.6	0.8	0.4	0.8
30	10.6	7.0	6.4	10.4	9.1	6.1	9.6	3.8	7.7	5.5	4.7	4.0
31	7.3	6.9	5.1	5.8	5.1	9.0	12.2	6.1	8.6	9.5	11.8	8.3
32	5.3	7.2	5.6	5.2	3.1	8.7	8.8	5.3	6.4	8.7	12.3	12.7
33	9.7	8.5	10.5	10.1	5.3	10.0	6.7	4.7	4.8	10.3	9.7	10.7
34	28.7	26.0	31.0	37.6	25.0	35.7	29.1	22.6	19.1	24.6	17.3	24.2
35	23.0	26.4	28.9	19.9	32.8	21.7	25.4	44.2	36.4	28.7	32.8	29.6
36 & longer	10.2	16.8	6.9	7.1	15.6	7.5	6.1	12.6	12.6	11.8	10.9	9.6
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

<sup>1/</sup> Data for 1978 are preliminary.

\* Less than 0.05 percent.



Table 14. Average staple length, by states, United States,  
5-year averages, 1948-77 and by seasons, 1974-1978 1/

State	5-year averages						1974	1975	1976	1977	1978*
	1948-52	1953-57	1958-62	1963-67	1968-72	1973-77					
N. C.	33.0	32.8	33.3	33.6	34.2	35.0	35.4	34.6	35.3	34.9	35.3
S. C.	32.8	32.9	33.4	33.8	34.5	35.0	35.0	34.6	35.1	35.3	36.1
Ga.	32.6	32.7	33.1	33.2	33.7	34.1	34.0	34.0	34.6	34.0	34.5
Fla.	33.0	32.9	32.8	33.0	33.7	-	34.1	34.0	-	-	-
Ala.	32.8	32.7	33.3	33.2	33.7	33.8	34.2	33.7	33.8	33.6	34.1
Miss.	34.0	33.7	33.8	34.1	34.6	34.5	34.7	34.7	34.1	34.8	34.4
Tenn.	33.1	33.1	33.6	33.8	33.9	33.9	34.4	34.1	33.6	33.6	33.7
Mo.	33.5	33.5	33.8	34.0	34.4	34.5	35.1	34.6	34.3	34.4	34.7
Ark.	33.2	33.3	33.8	34.1	34.5	34.6	34.9	34.7	34.2	34.8	34.5
La.	33.8	33.5	33.6	33.8	34.3	34.5	34.6	34.7	34.1	34.7	34.3
Okla.	29.1	29.5	30.8	30.5	31.5	31.8	31.9	31.9	31.2	32.5	32.2
Tex.	30.0	30.6	31.2	30.8	31.6	31.6	32.1	31.0	31.8	31.9	32.1
N. M.	34.2	34.6	35.2	35.8	35.8	35.3	35.9	35.2	35.3	35.5	35.5
Ariz.	33.2	33.5	33.7	33.6	34.2	34.6	34.7	34.7	34.7	34.5	34.5
Calif.	33.8	34.1	34.1	34.5	35.4	35.3	35.3	35.4	35.3	35.3	35.3
U. S.	32.3	32.5	32.8	32.9	33.6	33.7	34.2	33.6	33.7	33.6	33.7

1/ Averages calculated on numerical equivalents of the staple length designations; for example, 29/32" = 29.

\* Preliminary.

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Table 15. Average staples of carryover, crop and supply of upland cotton, 1955-1978

Year	Average staples			Year	Average staples		
	Carryover	Crop	Supply		Carryover	Crop	Supply
1955	32.2	32.6	32.4	1970	34.0	33.4	33.6
1956	32.2	32.7	32.4	1971	34.2	33.8	33.9
1957	32.0	32.6	32.3	1972	33.4	33.5	33.5
1958	31.7	32.8	32.3	1973	33.2	33.3	33.3
1959	31.9	32.8	32.5	1974	33.1	34.2	33.9
1960	33.0	32.9	32.9	1975	33.9	33.6	33.8
1961	33.3	32.9	33.0	1976	33.8	33.7	33.7
1962	33.2	32.8	33.0	1977	33.8	33.6	33.7
1963	32.7	32.7	32.7	1978*	34.0	33.7	33.6
1964	32.3	32.8	32.6				
1965	32.4	32.8	32.6				
1966	32.1	33.0	32.4				
1967	32.1	33.4	32.6				
1968	32.5	33.9	33.4				
1969	33.8	33.5	33.6				

\* Preliminary.





Estimated grade and staple of American Pima cotton ginned in the United States  
1978 crop 1/

Grade  Code		Staple						All staples	
		40 and shorter	42	44	46	48	50 and longer		
		<u>Bales</u>	<u>Bales</u>	<u>Bales</u>	<u>Bales</u>	<u>Bales</u>	<u>Bales</u>	<u>Bales</u>	<u>Pct.</u>
1	(10)	-	-	-	-	-	-	-	-
2	(20)	-	-	119	105	-	-	224	0.2
3	(30)	-	89	2,255	5,232	-	-	7,576	8.4
4	(40)	-	89	6,012	33,418	-	-	39,519	43.9
5	(50)	-	43	4,279	23,099	-	-	27,421	30.5
6	(60)	-	11	3,677	5,454	-	-	9,142	10.2
7	(70)	-	78	2,124	1,134	-	-	3,336	3.7
8	(80)	-	474	927	276	-	-	1,677	1.9
9	(90)	-	316	311	23	-	-	650	0.7
10	(00)	-	238	201	34	-	-	473	0.5
All grades		-	1,338	19,905	68,775	-	-	90,018 <u>2/</u>	100.0
Percent		-	1.5	22.1	76.4	-	-		100.0

1/ Preliminary.

2/ As reported by the Bureau of the Census.

\* Less than 0.05 percent.

Average grade. . . . . 4.6

Average staple . . . . . 45.5

Grade Code	Staple														All staples	
	26 and shorter	28	29	30	31	32	33	34	35	36	37	38	39	40 and longer	Bales	Pct.
White:																
11	-	-	-	-	-	-	-	-	23	29	-	-	-	-	52	*
21	-	8	137	378	98	366	2,848	10,678	14,323	4,004	-	-	-	-	32,840	0.3
30	-	-	10	-	-	59	98	1,743	4,350	1,686	25	-	-	-	7,971	0.1
31	23	247	6,120	32,089	23,534	21,260	78,668	337,057	612,134	200,761	2,363	11	-	-	1,314,267	12.6
40	-	32	434	2,957	4,665	7,257	23,151	97,808	258,584	167,038	3,590	93	-	10	565,619	5.4
41	167	567	7,593	65,960	168,233	275,998	292,367	1,059,840	1,343,172	357,960	24,850	823	94	51	3,597,675	34.4
50	-	11	172	2,046	5,698	12,853	22,808	65,604	111,875	50,055	9,928	422	-	30	281,502	2.7
51	-	92	1,466	17,126	72,021	187,409	189,894	318,771	335,043	85,142	5,674	140	13	28	1,212,819	11.6
60	-	-	20	346	862	2,728	3,085	4,045	7,034	5,321	177	6	-	-	23,624	0.2
61	-	33	404	2,642	8,822	27,093	41,218	48,419	39,849	13,210	211	-	27	-	181,928	1.1
70	-	-	-	-	19	13	139	119	154	71	-	-	-	-	515	*
71	-	-	56	497	1,512	4,804	7,297	7,314	4,988	2,350	24	10	14	-	28,866	0.3
Lt. Spotted:																
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	13	313	661	177	149	221	801	835	53	-	-	-	-	3,223	*
32	132	2,042	22,229	77,251	88,224	83,159	52,757	101,321	77,467	10,682	3,291	15	-	10	518,580	5.0
42	293	3,205	26,789	147,129	324,525	422,644	216,955	333,081	220,171	31,804	4,770	125	55	37	1,731,583	16.6
52	56	610	5,388	35,138	110,248	199,978	127,327	94,747	52,440	10,093	465	10	10	-	636,513	6.1
Spotted:																
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	27	-	-	211	127	82	-	-	-	-	447	*
33	86	245	1,824	4,542	7,851	6,078	3,094	4,235	3,949	832	66	-	-	-	32,802	0.3
43	160	658	3,679	14,273	24,491	27,006	16,143	15,709	8,909	2,617	215	-	-	-	113,860	1.1
53	29	249	1,278	7,035	14,784	22,506	15,581	10,131	4,688	1,121	39	-	-	11	77,452	0.7
Tinged:																
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	-	10	66	234	274	232	85	111	107	11	-	-	-	-	1,130	*
44	13	107	548	1,180	1,389	1,052	334	444	412	128	-	-	-	-	5,607	0.1
54	10	86	293	565	1,218	879	665	458	255	63	-	-	-	-	4,492	*
Stained:																
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	-	13	-	41	-	-	-	20	-	-	-	-	-	-	74	*
Lt. Gray:																
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	19	111	517	474	58	-	-	-	-	1,179	*
36	-	10	66	137	15	139	1,111	6,352	3,391	400	-	-	-	-	11,621	0.1
46	-	-	-	61	201	517	1,453	2,783	850	250	-	-	-	-	6,115	0.1
Gray:																
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	30	10	-	-	-	-	-	-	40	*
37	-	-	-	32	21	33	54	73	120	45	-	-	-	-	378	*
47	-	-	6	35	68	177	439	367	32	26	-	-	-	-	1,150	*
Below Grade	33	209	710	4,013	8,541	22,365	16,725	8,596	3,201	752	14	56	-	-	65,215	0.6
All grades	1,002	8,447	79,601	416,368	867,518	1,326,773	1,114,658	2,531,388	3,108,963	946,615	55,702	1,711	227	166	10,459,139	2/ 100.0
Percent	*	0.1	0.8	4.0	8.3	12.7	10.7	24.2	29.6	9.1	0.5	*	*	*	100.0	
1/ Preliminary.																
2/ As reported by the Bureau of the Census.																
* Less than 0.05 percent.																
Average staple ..... 33.7																
Percentage of rough preparation ..... 0.1																
Percent tenderable ..... 54.5																
United States Department of Agriculture, Agricultural Marketing Service, Cotton Division																